

PRELIMINARY GEOLOGIC MAP OF CENOZOIC UNITS OF THE CENTRAL ROBINSON MOUNTAIN VOLCANIC FIELD AND NORTHWESTERN HUNTINGTON VALLEY, ELKO COUNTY, NEVADA

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Contact: Solid where certain and location accurate, long dashed where approximate, short dashed where inferred, dotted where concealed; queried if identity or existence uncertain.

Internal contact: Solid where certain and location accurate, long dashed where approximate, short dashed where inferred, queried if identity or existence uncertain.

Unconformable contact: Solid where certain and location accurate, dashed where inferred, dotted where concealed; queried if identity or existence uncertain.

Normal fault: Solid where certain and location accurate, long dashed where approximate, short dashed where inferred, queried if identity or existence uncertain.

Anticline: Solid where certain and location accurate, dashed where inferred, dotted where concealed; queried if identity or existence uncertain.

Basin: Solid where certain and location accurate, dashed where inferred, dotted where concealed; queried if identity or existence uncertain.

Bottom of volcanic flow: Dashed line with arrow pointing to flow.

Bedding trace: Dashed line with arrow pointing to bedding.

Ash layer: Dashed line with arrow pointing to ash layer.

Line of stress section: Dashed line with arrow pointing to stress section.

Strike and dip of bedding: Arrow shows trend and plunge of bedding; dashed line with arrow shows bedding.

Strike and dip of fault surface: Arrow shows trend and plunge of fault surface; dashed line with arrow shows fault surface.

Strike and dip of flow boundary in volcanic rocks: Dashed line with arrow shows flow boundary; dashed line with arrow shows flow boundary.

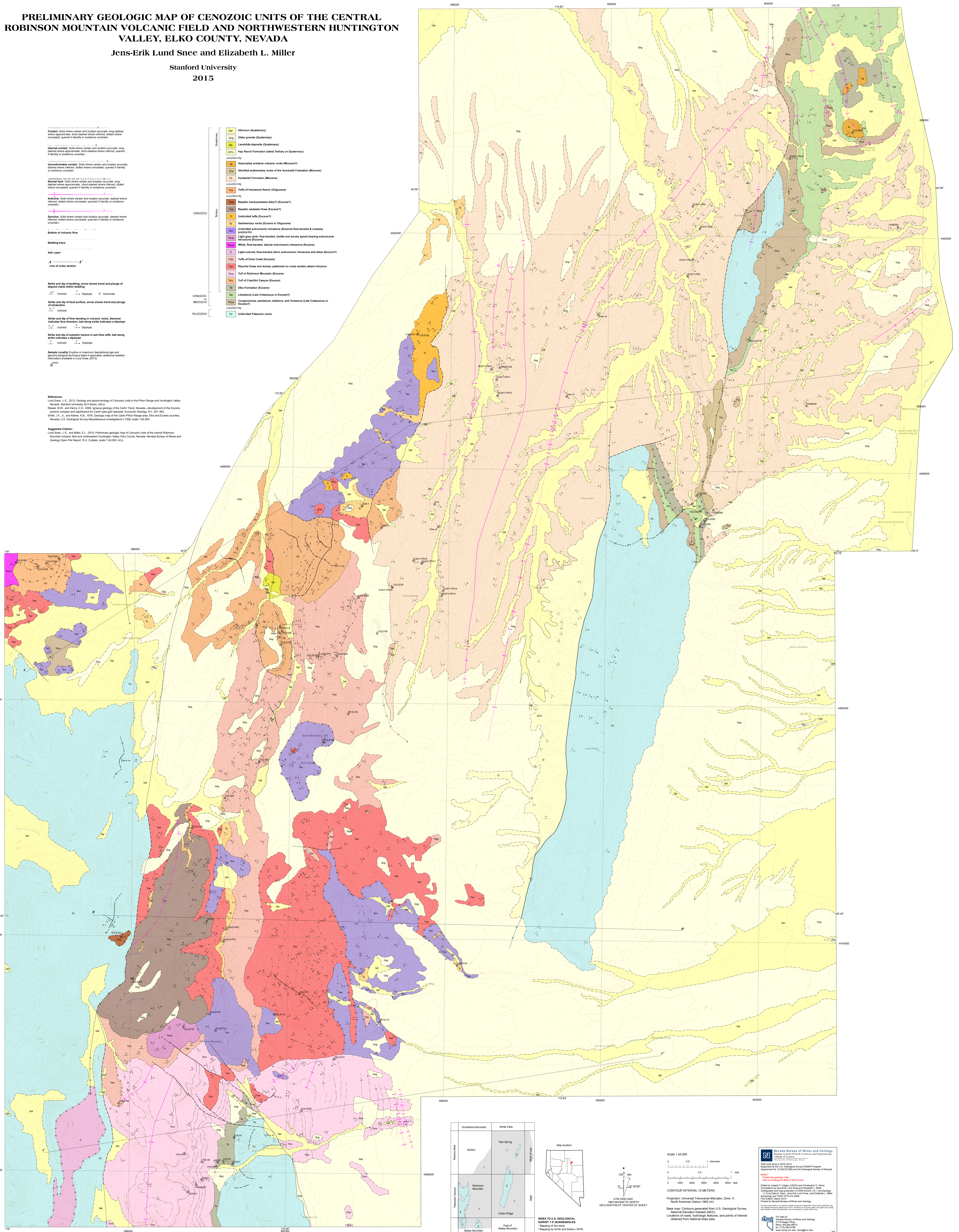
Strike and dip of contact: Arrow shows trend and plunge of contact; dashed line with arrow shows contact.

Sample locality: Triangle or square symbol with number indicating sample locality.

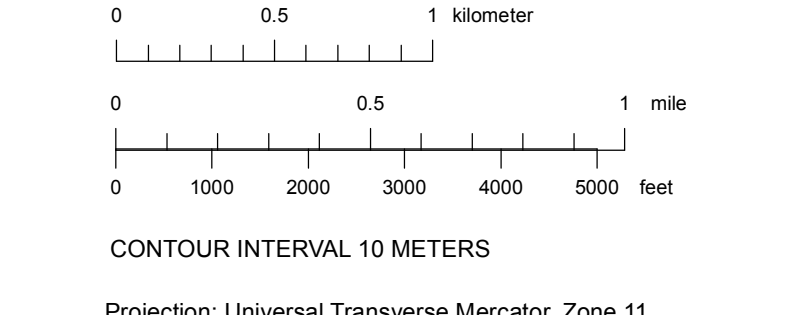
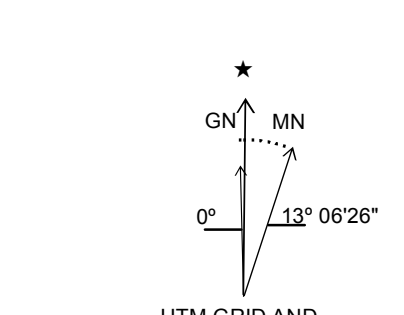
References: List of references used in the map.

Suggested Citation: Snee, J.E., and Miller, E.L., 2015. Preliminary geologic map of Cenozoic units of the central Robinson Mountain volcanic field and northwestern Huntington Valley, Elko County, Nevada. Nevada Bureau of Mines and Geology, Open-File Report 16-2, 2 pages, scale 1:24,000, 42 p.

Qa	Alluvium (Quaternary)
Qg	Older gravels (Quaternary)
Qd	Landslide deposits (Quaternary)
Qtr	Hay Ranch Formation (latest Tertiary or Quaternary)
unconformity	Unconformity
Ma	Associated andesite volcanic rocks (Miocene?)
Mh	Stratified sedimentary rocks of the Humboldt Formation (Miocene)
Th	Humboldt Formation (Miocene)
unconformity	Unconformity
Tha	Tuffs of Haywood Ranch (Oligocene)
unconformity	Unconformity
Tr	Basaltic trachyandesite dikes(?) (Eocene?)
Tra	Basaltic andesite flows (Eocene?)
Tru	Undivided tuffs (Eocene?)
Trs	Sedimentary rocks (Eocene or Oligocene)
Trt	Undivided subvolcanic intrusions (Eocene) flow-banded & coarse porphyritic
Trv	Light-colored, flow-banded, bottle and smoky quartz bearing subvolcanic intrusions (Eocene)
Trw	White, flow-banded, labradorite subvolcanic intrusions (Eocene)
Trx	Light-colored, flow-banded alic subvolcanic intrusions and dikes (Eocene?)
Trz	Tuffs of Clark Creek (Eocene)
Trd	Rhyolite flows and domes, patterned on cross section where intrusions
Trm	Tuff of Robinson Mountain (Eocene)
Trc	Tuff of Claxton Canyon (Eocene)
Trk	Elko Formation (Eocene)
Trl	Limestones (Late Cretaceous or Eocene?)
Trs	Conglomerates, sandstones, siltstones, and shales (Late Cretaceous or Eocene?)
Pr	Undivided Paleozoic rocks



Gridstone Mountain	White Flats
Bullion	Red Spring
Robinson Mountain	Cedar Ridge
Baldy Mountain	East of Baldy Mountain



Nevada Bureau of Mines and Geology
 Edited by Joseph P. Colgan (JPC) and Christopher D. Hays (CDH) in cooperation with Jens-Erik Lund Snee and Elizabeth L. Miller. This map is a preliminary geologic map and is not for use in legal proceedings. For more information, contact the Nevada Bureau of Mines and Geology, 2175 Raggio Drive, Reno, Nevada 89502. www.nv.gov/nbmg

INDEX TO U.S. GEOLOGICAL SURVEY 7.5 QUADRANGLES
 Mapping by Smith and Kater (1978)